## FORM U-1 MANUFACTURERS' DATA REPORT FOR UNFIRED PRESSURE-VESSELS As required by the Provisions of the ASME Code Rules

1. Manufactured by DOWNING	FOWN IRON WO	RKS DIVISION	, Pressed Steel 7	Tank Comp	eny <u>at</u> Dow	ningtown, Pa. 1	9335 `
2. Manufactured for E.I.Du							
3. TypeHOTIZ Kind Heat (Horiz, or Vert.) (Tank, Jac	Exchanger	Name and ac Vessel No. (5	idress of Purchase	*	) Natl. Bd. No.	58139	Yr. Built 196 4
SA-240. Gr. 430 TO	B 05	DOO	(anks), jackets of j	acketed vet	sels, of shells of		
SA-240, GT 30 TP 4. SHELL: Med. SA240, GT	T. S. 70	000 Nom.	Thick. In. Co	r. Allow.	O In. Diam. 3	_ FtIn. I	eneth 20 Ft. 0 In.
(Kind and Spec 3 No. 5. SEAMS: Long WDB	*L ("" 45(	mat T	430 Matil	.Compl	ete - "3"	SOUT BE-	If riveted, de-
5. SEAMS: Long WDB (Welded, Dbl., Singl	e, Lap, Russ 6	(Salon No) 1 )	30°t Macempiete	cctioned_	og No)	, 2041 02%	scribe seams fully on reverse
Girth WDB	н.т <b></b>	agu 1. ~ ⊇S X.R.	364L Spots	Chioneq	NO No. of Co	urses 6	side of form.
6. HEADS: (a) Materia See L:				5.00			Te
Location	" Crown	Knuckle	(b) Material_ Elliptical	Conical	Hemi spherical	Flat	T.SSide to Pressure
(Top, bottom, ends) Thickness	Radius	Radius	Ratio A	pex Angle	Radius	Diameter	(Convex or Concave)
(a)				<del></del>			Convex & Concave
(b) If removable, bolts used			Orb	er fastenin			Convex & Concave
	terial, Spec. No.	T.S., Size, Numb	er)	CI IMSTERIL	(D	escribe or Attach	Sketch)
7. STAYBOLTS: (Material)	If hollow_	Attacl	hment		Pitch	X Di	am(Nominal)
	(Sı	ze of Hole)	(Threaded,	Welded)	(Horiz.)	(Vert.)	(Nominal)
8. JACKET CLOSURE:	scribe as ogee &	weld, bar, etc. 1	f bar, give dimens	on. If bolte	d, describe or sket	ch) .	
9. Constructed for max.			Min. tem	p. (when	61	lydrostatic ( T	est
allowable working press.2			00 °F less t	nan -20°)_	o <sub>F</sub> γ	PARKETEX P	ess 150 psi.
Items 10 and 11 to be completed							
10. TUBE SHEETS: Stationary.	Mararial SA-	-240 Tp-30	04	401 In	Z-]	L/8	ent Welded (Welded, Bolted)
10. TODE SHEETS. Stationary.	Matchai	Kind & Spec. No.	) (Subj	ect to Press	sure)	_ in. Attacum	(Welded, Bolted)
♣ Floating.	Material:		Dian	In.	Thickness	In. Attachme	ent
11. TUBES: Materia SA-268	an _436	Kind & Spec. No	o.)		1.00	4.0	
11. TUBES: Material A-200	, uz .=- Ju	O.D	in. ]	hickness_	BWG Num	ber	Type (StraightXXXXX
12 SHELL: Material (Kind and Spe 13. SEAMS: Long (Welded, Dbl. Sin		or F.B. & Spec. Mi			ceIn. Diam Efficie		If riveted de
, ,					•		verse side of
Girth							
14. HEADS: (a) Material							[18]
Location Thickness	Crown ss Redius	Knuckie Radius	Elliptical Ratio	Conical Apex Ang		d Flat Diameter	Side to Pressure (Convex or Concave
(a) Top, bottom, ends				****		-	Convex & Concave
(b) Channel					18.54		Convex & Concave
(c) Floating			-			_	Convex & Concave
If removable, bolts us	ad (a)			(b)_			4 4 4 4 4 4
ii iemovabie, boits us		erial Spec. No. T.	. S., Size, Number)	(0)_			Taggie
	(c)			_ Other fa	stening	ribe or attach sk	
15. Constructed for max. 2	100		700 o Mi	n. temp. (v		(Hydrostatic	Test
allowable working press.		at max. temp	700 ° <sub>F</sub> . ie	ss than -20	)°)F		Press. 236 psi.
Items below to be completed for	all vessels w	ere applicable					
16. SAFETY VALVE OUTLETS		<i>m</i>	Si:		77L1 -1	_ Location	Mana Assa-C I
•	12" F	langed	SA-181,		Thickness Per Code	Reinforce. Matl.	How Attached Welded
				Cm T			
Shell out 2	<u></u>	langed	SA-181,	Ur.1	Per Code		Welded Welded
Tubes in				<del></del>			Welded
Tubes out						-	# £10£3
			-	················			
18. INSPECTION per UG-46(f)(							······································
OPENINGS:	Handholes,	10-4-7	5 <del>" 3/4#</del> /4**		.77 0 77	našan T	tob II-od-
as graphopme of '	Threaded, N	_	Locati	She			int Heads
19. SUPPORTS: Skirt (Yes or 1	NO No)	Lugs_ <del></del> (Num		er)	ther(Describe)		ed Shell Welde (Where & How)
•	xchanger				its Unknow	n". Not	designed
	or Letha	1 Service					
<u> </u>		. <u>A-2005</u>		o. HR-6	6425	D.I.W. Order	No. 64H60
	L AL TANK	free Contes Took	sted Cooles . tc	tate conten	ts of each part.		(Over)

## FORM U-1 (back)

Ilan	ssel shell equipped w	ith (1) or SA-240 Tp.	ne expans:	ion joint fa	bricated for T.S.: 48'	om (2) tw			
3/16	thk.								
	nt Order #HR-66425, incertify that the statements made in the			1 115, MFR s details of design, ma	order #61	H60 , and workmansh			
	vessel conform to the ASME Code for June 29, 19 64 Sign	Downingt own	n Iron Works Div il-Tank Company	<u>′B</u> y	Coloret	7 Jone			
		e dialign	(Manufacturer)		Robert/F.	Jones			
Cert	tificate of Authorization Expires #174		/31/64		(				
Grade	e 2 Titanium Material	Per Case	1258-3	0.D 1",	Thk. 16 BW	G., No - Strai			
Γ		CERTIFICATE	OF SHOP IN	SPECTION					
	VESSEL MADE BY DOWNINGTOWN I	RON WORKS DIV	ISION, Pressed	Steel Tank Co., at E	Downingtown, Pa.				
	I, the undersigned, holding a valid c					ors and/or			
Ì	the State of PENNSYL VANIA	_and employed by	THEHARTFORD	STEAM BOILERINSPE	CTION AND INSURAN	CE COMPANY			
1	of HARTFORD, CONN.		_have inspected	the pressure vessel d	escribed in this manu	ifacturer's			
	data report on turer has constructed his pressure ves			to the best of my know ble sections of the AS					
	By signing this certificate neither to pressure vessel described in this manu in any manner for any personal injury.  Date	facturer's data rep	ort. Furthermore,	neither the Inspector n	or his employer shall	be liable			
	D. O. Monles	<u>~</u> .	Commissions No	tional Board No.					
	dispectors Signature	_		Nat'l Board or	State and No.				
						~			
	CERTIF	ICATE OF FI	ELD ASSEMB	LY INSPECTION					
	I, the undersigned, holding a valid co	ommission issued b	by the National B	oard of Boiler and Pre	ssure Vessel Inspecto	ors and/or			
•	the State of	and employed by				lo			
				the statements in th	nis manufacturer's d	ita, report			
	with the described pressure vessel and s not included in the certificate of shop the manufacturer has constructed and s	inspection have	been inspected by	y me and that to the b	pest of my knowledge pplicable sections of	and belief the ASME			
1	Boiler and Pressure Vessel Code. The d	escribed vessel wa	s inspected and s	ubjected to a hydrostat	tic test of	psi.			
	By signing this certificate neither the Inspector nor his employer makes any warranty, expressed or implied, concerning the pressure vessel described in this manufacturer's data report. Furthermore, neither the Inspector nor his employer shall be liable in any manner for any personal injury or property damage or a loss of any kind arising from or connected with this inspection.								
	Date	. 19							
- 1		^	ommissions						
- 1	Inspectors Signature	C	CHIMIPSIONS	Nat'l Board or	State and No.				

Form E 22-4631